

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
6 October 2005 (06.10.2005)

PCT

(10) International Publication Number
WO 2005/092425 A1

(51) International Patent Classification⁷: **A61M 31/00**,
25/10

(21) International Application Number:
PCT/GB2005/001243

(22) International Filing Date: 29 March 2005 (29.03.2005)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
0406728.6 25 March 2004 (25.03.2004) GB

(71) Applicant (for all designated States except US): **HYDRO-DYNAMIC GENE DELIVERY LTD** [GB/GB]; 21 Wil-
son Street, London EC2M 2TD (GB).

(72) Inventor; and

(75) Inventor/Applicant (for US only): **PACEY, Andrew**
[GB/GB]; 26 Coventry Close, Stevenage, Herts SG1 4PB
(GB).

(74) Agent: **FRANK B. DEHN & CO**; 179 Queen Victoria
Street, London EC4V 4EL (GB).

(81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ,
TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA,
ZM, ZW.

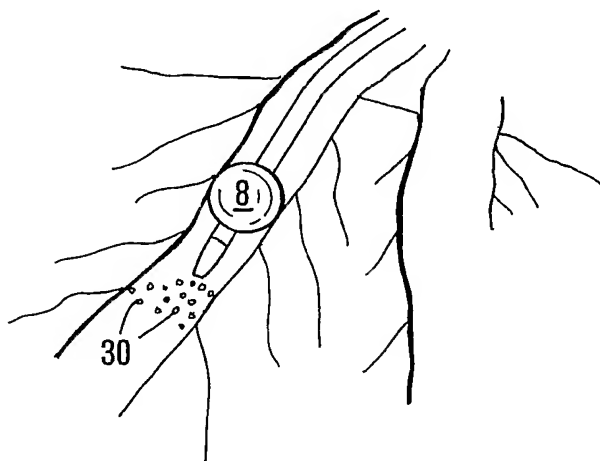
(84) Designated States (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW, GH,
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,
FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO,
SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN,
GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

- with international search report
- before the expiration of the time limit for amending the
claims and to be republished in the event of receipt of
amendments

For two-letter codes and other abbreviations, refer to the "Guid-
ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.

(54) Title: GENE



(57) Abstract: The present invention provides a method for
introducing nucleic acid (30) into cells of a region of the hu-
man or animal body, which method comprises substantially
occluding an efferent vessel from said body region and in-
troducing said nucleic into that body region under pressure
via said efferent vessel and further apparatus for introducing
nucleic acid into cells of a region of the body comprising:
a reservoir for holding a liquid formulation which comprises
said nucleic acid; a catheter tube in fluid communication with
said reservoir for conveying said liquid formulation to said
body region via an efferent vessel of said body region; pres-
sure development means for pressurising the liquid conveyed
by the catheter; and occlusion means (8) for substantially oc-
cluding said efferent vessel.

WO 2005/092425 A1